

Section II
Soil and Site Information

Building Site Development
Lincoln County, South Dakota

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.01 to 1.00. The larger the value, the greater the limitation.)

| Map symbol and soil name | Pct. of map unit | Local roads and streets | | Shallow excavations | | Lawns and landscaping | |
|-----------------------------|---------------------------|--|--|---|------------------------------|--|------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| AcA: Alcester----- | 90 | Very limited Frost action Low strength Shrink-swell Flooding | 1.00 1.00 0.50 0.40 | Somewhat limited Depth to saturated zone Cutbanks cave | 0.35 0.10 | Not limited | |
| AcB: Alcester----- | 90 | Very limited Frost action Low strength Shrink-swell | 1.00 1.00 0.50 | Somewhat limited Cutbanks cave | 0.10 | Not limited | |
| Af: Alcester----- | 80 | Very limited Frost action Low strength Shrink-swell Flooding | 1.00 1.00 0.50 0.40 | Somewhat limited Depth to saturated zone Cutbanks cave | 0.35 0.10 | Not limited | |
| Ah: Alcester----- | 45 | Very limited Frost action Low strength Shrink-swell Flooding | 1.00 1.00 0.50 0.40 | Somewhat limited Depth to saturated zone Cutbanks cave | 0.35 0.10 | Not limited | |
| Lamo----- | 40 | Very limited Frost action Flooding Low strength Shrink-swell Depth to saturated zone | 1.00 1.00 1.00 0.50 0.19 | Very limited Depth to saturated zone Flooding Cutbanks cave | 1.00 0.60 0.10 | Somewhat limited Flooding Depth to saturated zone | 0.60 0.19 |
| Bo: Bon----- | 35 | Very limited Frost action Flooding Low strength | 1.00 1.00 0.22 | Somewhat limited Flooding Depth to saturated zone Cutbanks cave | 0.80 0.61 0.10 | Very limited Flooding | 1.00 |

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|-----------------------------|---------------------------|---------------------------------------|-------|--|-------|---------------------------------------|-------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| Bon----- | 35 | Very limited Flooding | 1.00 | Somewhat limited Depth to saturated zone | 0.61 | Somewhat limited Flooding | 0.60 |
| | | Frost action | 0.50 | Flooding | 0.60 | | |
| | | Low strength | 0.22 | Cutbanks cave | 0.10 | | |
| Bp: Orthents, Loamy----- | 90 | Somewhat limited Low strength | 0.78 | Somewhat limited Cutbanks cave | 0.10 | Not limited | |
| | | Shrink-swell | 0.50 | | | | |
| | | Frost action | 0.50 | | | | |
| Ca: Chancellor----- | 65 | Very limited Frost action | 1.00 | Very limited Depth to saturated zone | 1.00 | Very limited Flooding | 1.00 |
| | | Flooding | 1.00 | Flooding | 0.80 | Depth to saturated zone | 1.00 |
| | | Low strength | 1.00 | Too clayey | 0.12 | | |
| | | Shrink-swell | 1.00 | Cutbanks cave | 0.10 | | |
| | | Depth to saturated zone | 1.00 | | | | |
| Tetonka----- | 25 | Very limited Ponding | 1.00 | Very limited Ponding | 1.00 | Very limited Ponding | 1.00 |
| | | Depth to saturated zone | 1.00 | Depth to saturated zone | 1.00 | Depth to saturated zone | 1.00 |
| | | Frost action | 1.00 | Too clayey | 0.28 | | |
| | | Low strength | 1.00 | Cutbanks cave | 0.10 | | |
| | | Shrink-swell | 1.00 | | | | |
| Cd: Chancellor----- | 55 | Very limited Frost action | 1.00 | Very limited Depth to saturated zone | 1.00 | Very limited Flooding | 1.00 |
| | | Flooding | 1.00 | Flooding | 0.80 | Depth to saturated zone | 1.00 |
| | | Low strength | 1.00 | Too clayey | 0.12 | | |
| | | Shrink-swell | 1.00 | Cutbanks cave | 0.10 | | |
| | | Depth to saturated zone | 1.00 | | | | |
| Viborg----- | 35 | Very limited Frost action | 1.00 | Somewhat limited Depth to saturated zone | 0.47 | Not limited | |
| | | Low strength | 1.00 | Cutbanks cave | 0.10 | | |
| | | Shrink-swell | 0.50 | | | | |

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|-----------------------------|---------------------------|--|--|---|--------------------------------------|--|------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| Ch: Chancellor----- | 35 | Very limited Frost action Flooding Low strength Shrink-swell Depth to saturated zone | 1.00 1.00 1.00 1.00 1.00 | Very limited Depth to saturated zone Flooding Too clayey Cutbanks cave | 1.00 0.80 0.12 0.10 | Very limited Flooding Depth to saturated zone | 1.00 1.00 |
| Wakonda----- | 35 | Very limited Frost action Low strength Shrink-swell | 1.00 1.00 0.50 | Somewhat limited Depth to saturated zone Cutbanks cave | 0.95 0.10 | Not limited | |
| Tetonka----- | 20 | Very limited Ponding Depth to saturated zone Frost action Low strength Shrink-swell | 1.00 1.00 1.00 1.00 1.00 | Very limited Ponding Depth to saturated zone Too clayey Cutbanks cave | 1.00 1.00 0.28 0.10 | Very limited Ponding Depth to saturated zone | 1.00 1.00 |
| Co: Clamo----- | 90 | Very limited Frost action Flooding Low strength Shrink-swell Depth to saturated zone | 1.00 1.00 1.00 1.00 1.00 | Very limited Depth to saturated zone Flooding Cutbanks cave Too clayey | 1.00 0.60 0.10 0.03 | Very limited Depth to saturated zone Flooding | 1.00 0.60 |
| CpD2: Crofton----- | 45 | Very limited Low strength Slope Frost action | 1.00 0.84 0.50 | Somewhat limited Slope Cutbanks cave | 0.84 0.10 | Somewhat limited Slope | 0.84 |
| Nora----- | 35 | Very limited Frost action Low strength Slope Shrink-swell | 1.00 1.00 0.84 0.50 | Somewhat limited Slope Cutbanks cave | 0.84 0.10 | Somewhat limited Slope | 0.84 |

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| Map symbol and soil name | Pct. of map unit | Local roads and streets | | Shallow excavations | | Lawns and landscaping | |
|-----------------------------|---------------------------|--|--------------------------|---|------------------|---------------------------------------|-------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| Da: Davis----- | 95 | Very limited Low strength Shrink-swell Frost action | 1.00 0.50 0.50 | Somewhat limited Depth to saturated zone Cutbanks cave | 0.61 0.10 | Not limited | |
| DeA: Delmont----- | 85 | Not limited | | Very limited Cutbanks cave | 1.00 | Somewhat limited Droughty | 0.06 |
| DeB: Delmont----- | 90 | Not limited | | Very limited Cutbanks cave | 1.00 | Somewhat limited Droughty | 0.06 |
| DgB: Delmont----- | 45 | Not limited | | Very limited Cutbanks cave | 1.00 | Somewhat limited Droughty | 0.06 |
| Graceville----- | 35 | Very limited Frost action Low strength Shrink-swell | 1.00 1.00 0.50 | Very limited Cutbanks cave | 1.00 | Not limited | |
| DkB: Delmont----- | 45 | Not limited | | Very limited Cutbanks cave | 1.00 | Somewhat limited Droughty | 0.06 |
| Talmo----- | 45 | Not limited | | Very limited Cutbanks cave | 1.00 | Somewhat limited Droughty | 0.41 |
| DmA: Dempster----- | 90 | Very limited Frost action Low strength Shrink-swell | 1.00 1.00 0.50 | Very limited Cutbanks cave | 1.00 | Not limited | |
| DmB: Dempster----- | 90 | Very limited Frost action Low strength Shrink-swell | 1.00 1.00 0.50 | Very limited Cutbanks cave | 1.00 | Not limited | |
| EaB: Egan----- | 80 | Very limited Frost action Low strength Shrink-swell | 1.00 1.00 0.50 | Somewhat limited Cutbanks cave | 0.10 | Not limited | |

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| Map symbol and soil name | Pct. of map unit | Local roads and streets | | Shallow excavations | | Lawns and landscaping | |
|-----------------------------|---------------------------|--|--------------------------------------|---|------------------------------|--|--------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| EcB: Egan----- | 50 | Very limited Frost action Low strength Shrink-swell | 1.00 1.00 0.50 | Somewhat limited Cutbanks cave | 0.10 | Not limited | |
| Chancellor----- | 30 | Very limited Frost action Flooding Low strength Shrink-swell Depth to saturated zone | 1.00 1.00 1.00 1.00 1.00 | Very limited Depth to saturated zone Flooding Too clayey Cutbanks cave | 1.00 0.80 0.12 0.10 | Very limited Flooding Depth to saturated zone | 1.00 1.00 |
| EsB: Egan----- | 55 | Very limited Frost action Low strength Shrink-swell | 1.00 1.00 0.50 | Somewhat limited Cutbanks cave | 0.10 | Not limited | |
| Shindler----- | 35 | Very limited Low strength Shrink-swell Frost action | 1.00 0.50 0.50 | Somewhat limited Cutbanks cave | 0.10 | Not limited | |
| EsC: Egan----- | 50 | Very limited Frost action Low strength Shrink-swell | 1.00 1.00 0.50 | Somewhat limited Cutbanks cave | 0.10 | Not limited | |
| Shindler----- | 40 | Very limited Low strength Shrink-swell Frost action | 1.00 0.50 0.50 | Somewhat limited Cutbanks cave | 0.10 | Not limited | |
| EwB: Egan----- | 50 | Very limited Frost action Low strength Shrink-swell | 1.00 1.00 0.50 | Somewhat limited Cutbanks cave | 0.10 | Not limited | |

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| Map symbol and soil name | Pct. of map unit | Local roads and streets | | Shallow excavations | | Lawns and landscaping | |
|-----------------------------|---------------------------|--|--------------------------------------|---|------------------------------|--|----------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| Worthing----- | 30 | Very limited Ponding Depth to saturated zone Frost action Low strength Shrink-swell | 1.00 1.00 1.00 1.00 1.00 | Very limited Ponding Depth to saturated zone Too clayey Cutbanks cave | 1.00 1.00 0.50 0.10 | Very limited Ponding Depth to saturated zone Too clayey | 1.00 1.00 1.00 |
| Gp: Orthents, Gravelly-- | 90 | Very limited Slope | 1.00 | Very limited Cutbanks cave Slope | 1.00 1.00 | Very limited Slope Droughty Gravel content | 1.00 0.42 0.25 |
| Gr: Graceville----- | 90 | Very limited Frost action Low strength Shrink-swell | 1.00 1.00 0.50 | Very limited Cutbanks cave | 1.00 | Not limited | |
| HuA: Huntimer----- | 95 | Very limited Low strength Shrink-swell Frost action | 1.00 1.00 0.50 | Somewhat limited Cutbanks cave Too clayey | 0.10 0.03 | Not limited | |
| La: Lamo----- | 90 | Very limited Frost action Flooding Low strength Shrink-swell Depth to saturated zone | 1.00 1.00 1.00 0.50 0.19 | Very limited Depth to saturated zone Flooding Cutbanks cave | 1.00 0.60 0.10 | Somewhat limited Flooding Depth to saturated zone | 0.60 0.19 |
| Lu: Luton----- | 90 | Very limited Flooding Low strength Shrink-swell Frost action Depth to saturated zone | 1.00 1.00 1.00 0.50 0.19 | Very limited Depth to saturated zone Too clayey Flooding Cutbanks cave | 1.00 0.88 0.60 0.10 | Very limited Too clayey Flooding Depth to saturated zone | 1.00 0.60 0.19 |

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|------------------------------|---------------------------|---|--------------------------------------|--|------------------------------|---|----------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| M-W: Miscellaneous Water- | 100 | Not rated | | Not rated | | Not rated | |
| Mh: Baltic----- | 85 | Very limited Ponding Depth to saturated zone Frost action Low strength Shrink-swell | 1.00 1.00 1.00 1.00 1.00 | Very limited Ponding Depth to saturated zone Too clayey Cutbanks cave | 1.00 1.00 0.50 0.10 | Very limited Ponding Depth to saturated zone Too clayey | 1.00 1.00 1.00 |
| MoA: Moody----- | 90 | Very limited Frost action Low strength Shrink-swell | 1.00 1.00 0.50 | Somewhat limited Cutbanks cave | 0.10 | Not limited | |
| MoB: Moody----- | 85 | Very limited Frost action Low strength Shrink-swell | 1.00 1.00 0.50 | Somewhat limited Cutbanks cave | 0.10 | Not limited | |
| MpB: Moody----- | 60 | Very limited Frost action Low strength Shrink-swell | 1.00 1.00 0.50 | Somewhat limited Cutbanks cave | 0.10 | Not limited | |
| Nora----- | 30 | Very limited Frost action Low strength Shrink-swell | 1.00 1.00 0.50 | Somewhat limited Cutbanks cave | 0.10 | Not limited | |
| MpC2: Moody----- | 45 | Very limited Frost action Low strength Shrink-swell | 1.00 1.00 0.50 | Somewhat limited Cutbanks cave | 0.10 | Not limited | |
| Nora----- | 35 | Very limited Frost action Low strength Shrink-swell | 1.00 1.00 0.50 | Somewhat limited Cutbanks cave | 0.10 | Not limited | |

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|-----------------------------|---------------------------|---------------------------------------|-------|--|-------|---------------------------------------|-------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| Sa: Salmo----- | 90 | Very limited Frost action | 1.00 | Very limited Depth to saturated zone | 1.00 | Very limited Flooding | 1.00 |
| | | Flooding | 1.00 | Flooding | 0.80 | Depth to saturated zone | 1.00 |
| | | Low strength | 1.00 | Cutbanks cave | 0.10 | Salinity | 1.00 |
| | | Depth to saturated zone | 1.00 | | | | |
| | | Shrink-swell | 0.50 | | | | |
| ShD: Shindler----- | 85 | Very limited Low strength | 1.00 | Somewhat limited Slope | 0.63 | Somewhat limited Slope | 0.63 |
| | | Slope | 0.63 | Cutbanks cave | 0.10 | | |
| | | Shrink-swell | 0.50 | | | | |
| | | Frost action | 0.50 | | | | |
| ShF: Shindler----- | 90 | Very limited Slope | 1.00 | Very limited Slope | 1.00 | Very limited Slope | 1.00 |
| | | Low strength | 1.00 | Cutbanks cave | 0.10 | | |
| | | Shrink-swell | 0.50 | | | | |
| | | Frost action | 0.50 | | | | |
| SkD2: Shindler----- | 55 | Very limited Low strength | 1.00 | Somewhat limited Slope | 0.63 | Somewhat limited Slope | 0.63 |
| | | Slope | 0.63 | Cutbanks cave | 0.10 | | |
| | | Shrink-swell | 0.50 | | | | |
| | | Frost action | 0.50 | | | | |
| Egan----- | 30 | Very limited Frost action | 1.00 | Somewhat limited Slope | 0.63 | Somewhat limited Slope | 0.63 |
| | | Low strength | 1.00 | Cutbanks cave | 0.10 | | |
| | | Slope | 0.63 | | | | |
| | | Shrink-swell | 0.50 | | | | |
| SmF: Shindler----- | 55 | Very limited Slope | 1.00 | Very limited Slope | 1.00 | Very limited Slope | 1.00 |
| | | Low strength | 1.00 | Cutbanks cave | 0.10 | | |
| | | Shrink-swell | 0.50 | | | | |
| | | Frost action | 0.50 | | | | |

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|-----------------------------|---------------------------|---|--|--|------------------------------|---|--------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| Renner----- | 35 | Very limited Slope Low strength Shrink-swell Frost action | 1.00 1.00 0.50 0.50 | Very limited Slope Cutbanks cave | 1.00 0.10 | Very limited Slope | 1.00 |
| StD: Shindler----- | 45 | Very limited Low strength Slope Shrink-swell Frost action | 1.00 1.00 0.50 0.50 | Very limited Slope Cutbanks cave | 1.00 0.10 | Very limited Slope | 1.00 |
| Talmo----- | 45 | Very limited Slope | 1.00 | Very limited Cutbanks cave Slope | 1.00 1.00 | Very limited Slope Droughty | 1.00 0.41 |
| SuF: Steinauer----- | 50 | Very limited Slope Low strength Shrink-swell Frost action | 1.00 1.00 0.50 0.50 | Very limited Slope Cutbanks cave | 1.00 0.10 | Very limited Slope | 1.00 |
| Shindler----- | 40 | Very limited Slope Low strength Shrink-swell Frost action | 1.00 1.00 0.50 0.50 | Very limited Slope Cutbanks cave | 1.00 0.10 | Very limited Slope | 1.00 |
| Te: Tetonka----- | 90 | Very limited Ponding Depth to saturated zone Frost action Low strength Shrink-swell | 1.00 1.00 1.00 1.00 1.00 1.00 | Very limited Ponding Depth to saturated zone Too clayey Cutbanks cave | 1.00 1.00 0.28 0.10 | Very limited Ponding Depth to saturated zone | 1.00 1.00 |
| ThB: Thurman----- | 95 | Not limited | | Very limited Cutbanks cave | 1.00 | Not limited | |
| ThC: Thurman----- | 95 | Not limited | | Very limited Cutbanks cave | 1.00 | Not limited | |

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|-----------------------------|---------------------------|--|--|---|--------------------------------------|---|--------------------------|
| | | Rating class and limiting features | Value | Rating class and limiting features | Value | Rating class and limiting features | Value |
| W: Water----- | 100 | Not rated | | Not rated | | Not rated | |
| WeA: Wentworth----- | 80 | Very limited Frost action Low strength Shrink-swell | 1.00 1.00 0.50 | Somewhat limited Cutbanks cave | 0.10 | Not limited | |
| WhA: Wentworth----- | 55 | Very limited Frost action Low strength Shrink-swell | 1.00 1.00 0.50 | Somewhat limited Depth to saturated zone Cutbanks cave | 0.61 0.10 | Not limited | |
| Chancellor----- | 25 | Very limited Frost action Flooding Low strength Shrink-swell Depth to saturated zone | 1.00 1.00 1.00 1.00 1.00 | Very limited Depth to saturated zone Flooding Too clayey Cutbanks cave | 1.00 0.80 0.12 0.10 | Very limited Flooding Depth to saturated zone | 1.00 1.00 |
| Wk: Whitewood----- | 80 | Very limited Frost action Flooding Low strength Depth to saturated zone Shrink-swell | 1.00 1.00 1.00 1.00 0.50 | Very limited Depth to saturated zone Flooding Cutbanks cave | 1.00 0.80 0.10 | Very limited Flooding Depth to saturated zone | 1.00 1.00 |
| Ws: Worthing----- | 90 | Very limited Ponding Depth to saturated zone Frost action Low strength Shrink-swell | 1.00 1.00 1.00 1.00 1.00 | Very limited Ponding Depth to saturated zone Too clayey Cutbanks cave | 1.00 1.00 0.50 0.10 | Very limited Ponding Depth to saturated zone Too clayey | 1.00 1.00 1.00 |